ABSTRACT OF THE DISCLOSURE

A wavelength monitor 10 having a Michelson interferometer (or Mach-Zehnder) optical system 11 of a spatial light type having optical input from a light source has an interference pattern generating means 12 which inclines the wavefronts of interfering beams of collimated light to generate an interference pattern in the light intensity distribution in an interference light beam plane, a first slit 107 and a second slit 108 which are adjustable in position and provided in front of a first photo-detector 109 and a second photo-detector, respectively, which receive split beams of interference light, and a signal processing means 111 by which the changes in the intensity of light from the first photo-detector 109 and the second photo-detector 110 are cc :d and subjected to necessary arithmetic operations to output signals representing wavelength data for the input light.